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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/823,331 | 03/30/2001 | LeRoy W. Tilt IV | P-24,723USA | 8815 |

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Theodore Naccarella
Synnestvedt & Lechner
2600 Aramark Tower
1101 Market Street
Philadelphia, PA 19107-2950

EXAMINER

NGUYEN, THANH T

| | |
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| ART UNIT | PAPER NUMBER |
|----------|--------------|

2144

DATE MAILED: 06/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/823,331

Applicant(s)

TILT ET AL.

Examiner

Tammy T. Nguyen

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 March 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____



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Detailed Office Action

1. This action is in response to the amendment filed on March 17, 2006.
2. Claims **1-9, 11-22** are pending.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anders et al., (hereinafter Anders) U.S. Patent No. 6,269,403 in view of Krishnan et al., (hereinafter Krishnan) U.S. Patent No. 6,073,124.
5. In regards to claim 1, Anders teaches a method of serving a Web page to a requesting client, said Web page comprising code defining said page and including a plurality of

supplemental files, said method comprising the steps of: parsing said code defining said Web page to detect data within the code which said supplemental files are to be served (Col. 10, lines 1-16, 37-40, and 52-62) (stream configurator parses web page to identify references to objects and their locations within a page, display sequence information is supplied by the designer); constructing a queue indicating (Col. 11 , lines 7-30) (this function is realized by the "Interleavor" that sequences (i.e., queues) objects for data stream generation); serving said code to said requesting client; serving said supplemental files to said client in said queue (Col. 12 lines 51-67 through Col. 13, lines 1-5) (After data stream generation, the data stream is transmitted to the client where it is unpacked according to previously established queue order). Said order data comprising data other than the order in which said supplemental files appear in said code defining said Web page [see Anders fig.8, it's shown that beside order data comprising other than that such as Stream header 180, and end of Stream191]. But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.

6. In regards to claim 2, Anders teaches receiving a request for said Web page (Col. 6, lines 40-46); and obtaining said code defining said Web page responsive to said

request. (Col. 6, lines 40-46) (Client submits a request for a web page and the server responds by transmitting base HTML object.).

7. In regards to claim 3, Anders teaches wherein said step of obtaining said Web page comprises retrieving said code defining said Web page from a memory. (Col. 7, lines 19-35 and Col. 15, lines 1-7) (HTML threads/processes retrieve data required to format web pages from storage devices (a memory).
8. In regards to claim 4, Anders teaches wherein said step of obtaining said Web page comprises building said code defining said Web page responsive to said request. (Col. 8, lines 59-66) (Server creates web page dynamically in response to a browser request.)
9. In regards to claim 5, Anders teaches receiving and detecting requests from said client machine for said supplemental files', and wherein said step of serving said supplemental files is performed after said receiving and detecting step. (Col. 6, lines 46-62) (After parsing the base HTML object the browser issues requests for graphics referenced in the base HTML object. The server responds by locating and preparing the requested objects for transfer.)
10. In regards to claim 6, Anders teaches wherein said step of serving said code defining said Web page is performed after said step of constructing said queue. (Col. 12 lines 51-67 through Col. 13, lines 1-5) (Code comprising the web page is transmitted by "Publisher" after constructing said queue. After data stream generation, the data stream is transmitted to the client where it is unpacked according to previously established queue order.)

11. In regards to claim 7, Anders teaches wherein said code defining said Web page comprises HTML code, said references to supplemental files comprise HTML tags, (Col. 11, line 7 - Col. 12 line 44). But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.
12. In regards to claim 8, Anders teaches wherein data attributes are not recognizable by said client machine: (Col. 8, lines 1-6) (A client of the Anders invention does not understand the sequence attribute. Sequence attributes are embedded in "slammer format" of the Anders invention and require a helper application for proper recognition.). But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.
13. In regards to claim 9, Anders teaches a computer readable storage medium containing executable code for controlling a computer for rendering a Web page, said code comprising: first code at least partially defining said Web page, said code including a plurality of references to supplemental files containing content of said

page (Col. 10, lines 1-16, 37-40, and 52-62) (stream configurator parses web page to identify references to objects and their locations); and second code which said supplemental files are to be rendered (Col. 11, line 7 - Col. 12 line 44), said second code is associated with each of said references and comprises an attribute of a tag associated with said supplemental file. (Col. 11, line 7 - Col. 12 line 44). But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.

14. In regards to claim 11, Anders teaches wherein said second code associated with each of said references comprises an attribute of an HTML tag for which another of said tag's attributes is said reference to a supplemental file. (Col. 11, line 7 - Col. 12 line 44).
15. In regards to claim 12, Anders teaches a computer program product embodied on computer readable media readable by a computing device, said product for serving Web pages to a requesting client machine, wherein at least one of said Web pages contains a plurality of references to supplemental files comprising content of said Web page, said references including order data indicating an order in which said supplemental files are to be served relative to said other supplemental files contained in said page, said product comprising: first computer readable program code for

receiving requests for said Web pages (Col. 6, lines 40-46); second computer readable program code for obtaining code defining said requested Web pages responsive to said requests, said code defining said Web pages (Col. 6, lines 40-46); third computer readable program code for parsing said code defining a Web page to detect said order data (Col. 10, lines 1-16, 37-40, and 52-62); fourth computer readable program code for constructing a queue in a memory (Col. 11, lines 7-30); said queue comprising a list of said supplemental files (Col. 11, lines 7-30); fifth computer readable program code for serving said code defining said page to said requesting client machine (Col. 12, lines 51-67 through Col. 13, lines 1-5); sixth computer readable program code for serving said supplemental files to said requesting client machine in queue (Col. 12, lines 51-67 through Col. 13, lines 1-5). But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.

16. In regards to claim 13, Anders teaches wherein said second computer readable program code comprises code for retrieving said code defining said Web page from a storage medium. (Col.7, lines 19-35, and Col. 15, lines 1-7).

17. In regards to claim 14, Anders teaches wherein said second computer readable program code comprises code for building said code defining said Web page responsive to receipt of said request for said Web page. (Col. 8, lines 59-66).
18. In regards to claim 15, Anders teaches seventh computer readable program code for receiving and detecting requests from said client machine for said supplemental files (Col. 6, lines 46-62) and wherein said sixth computer readable program code operates after said seventh computer readable program code detects said request for at least one of said supplemental files. (Col. 6, lines 46-62).
19. In regards to claim 16, Anders teaches wherein said fifth computer readable program code operates after said fourth computer readable program code constructs said queue. (Col. 12, lines 51-67 through Col. 13, lines 1-5).
20. In regards to claim 17, Anders teaches wherein: said code defining said Web page comprises HTML code (Col. 11, line 7 - Col. 12 line 44). said references to supplemental files comprise HTML tags (Col. 11, line 7 - Col. 12 line 44)', and said data comprises attributes of said tags (Col. 11 , line 7 - Col. 12 line 44). But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.

21. In regards to claim 18, Anders teaches wherein said order data attributes are not recognizable by said client machine. (Col. 8, lines 1-6).
22. In regards to claim 19, Anders teaches a system for serving Web pages to a requesting client machine, at least one of said Web pages containing a plurality of references to supplemental files comprising content of said Web page, said page including order data indicating an order in which said supplemental files are to be served relative to said other supplemental files contained in said page, the system comprising: a computer including memory, and a processor, the memory being accessible by the processor and storing computer-readable programming including (Col. 7, lines 19-35 and Col. 15, lines 1-7); first computer readable program code for receiving requests for said Web pages (Col. 6, lines 40-46); second computer readable program code for obtaining code defining said requested Web pages (Col. 6, lines 40-46); third computer readable program code for parsing said code defining said Web page to detect data (Col. 10, lines 1-16, 37-44, and 52-62); fourth computer readable program code for constructing a queue in a memory, said queue comprising a list of said supplemental files (Col. 11, lines 7-30); fifth computer readable program code for serving said code defining said Web page to said requesting client machine (Col. 12, line 51 - Col. 13, line 5); sixth computer readable program code for serving said supplemental files to said requesting client machine in said queue (Col. 12, line 51 - Col. 13, line 5). But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made

- to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.
23. In regards to claim 20, Anders teaches wherein said fifth computer readable program code operates after said fourth computer readable program code constructs said queue. (Col. 12, line 51 - Col. 13, line 5).
24. In regards to claim 21, Anders teaches wherein: said code defining said Web page comprises HTML code; said references to supplemental files comprises HTML tags; and data comprises attributes of said tags. (Col. 11, line 7- Col. 12, line 44). But Anders does not explicitly teach indicates an order. However, Krishnan teaches indicates an order (see col.3, line 45 – col.4, line 9). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Krishnan into the computer system of Anders to have indicates an order because it would have provided specific functions that comprehensible arrangement among the separate elements of a group.
25. In regards to claim 22, Anders teaches wherein said order data attributes are not recognizable by said client machine. (Col. 8 lines 1-6).

Response to Arguments

26. Applicant's arguments filled on March 14, 2006 have been fully considered, however they are not persuasive because of the following reasons:

27. Applicants argue that Anders does not teach constructing a queue in a memory comprising a list of supplemental files. In response to Applicant's argument, the Patent Examiner maintain the rejection because Anders does teach constructing a queue in a memory comprising a list of supplemental files as shown in Col.11, lines 7-30. Anders clearly shows that constructing a queue in a memory comprising a list of supplemental files.
28. Therefore, the Examiner asserts that cited prior arts teach or suggest the subject matter broadly recited in independent claims 1, 12 and 19. Claims 2-9, 10, 13-18, and 20-22 are also rejected at least by the virtue of their dependency on independent claims and by other reasons set forth in the previous office action.
29. Accordingly, claims 1-9, 11-22 are respectfully rejected.

Conclusion

30. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

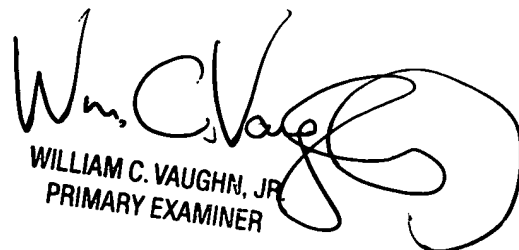
however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

31. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammy T. Nguyen whose telephone number is 571-272-3929. The examiner can normally be reached on Monday - Friday 8:30 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *William Vaughn* can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TTN
June 6, 2006


WILLIAM C. VAUGHN, JR.
PRIMARY EXAMINER